

Peak District National Park

Forecast valid from 06:00 on Tuesday 23 Mar 2021 until 23:59 on Wednesday 24 Mar 2021

Forecast Issued on Tuesday 23 Mar 2021 at 02:17

Confidence: High confidence in a change of weather type later in the week back to cold wintery conditions on the hills. Also high confidence for a windy period for much of the forecast. Lower confidence for cloud amounts on Tuesday and Wednesday.

Headline for Tuesday 23 Mar 2021: Strong winds in the afternoon, cloudy with some drizzle or light rain possible.

Mountain weather hazards on Tuesday 23 Mar 2021

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

No Likelihood

Heavy Snow

No Likelihood

Severe chill effect

Low Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

Low Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Sunny intervals	Dull	Dull	Dull	Cloudy	Dull
Precipitation probability					
10%	10%	20%	20%	20%	20%

Forecast for Tuesday 23 Mar 2021

Weather: A cloudy day with a few outbreaks of drizzle where the cloud thickens in the west of the Peak District, best conditions to be found in the east where there may be a few bright or sunny spells. Some rain is possible towards midnight.

Chance of cloud free mountain/hill tops above 600m: 60%, perhaps 70% in the east of the area, becoming 30% towards midnight.

Visibility: Visibility will be poor at times on the tops in any drizzle, mainly in the west, and good navigation aids may be required. In the west there will be periods of cloud with bases around 5-600m. In the east cloud will be patchier but sometimes shroud the tops, especially in the morning, however some long cloud free breaks developing. Cloud thickening and lowering towards midnight with bases around 500m. Visibility will be very poor in the low cloud with nearby landmarks obscured.

Forecast for Tuesday 23 Mar 2021

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	19/26 SW	22/29 SW	24/32 SW	26/36 SW	24/34 SW	24/34 SW	22/31 SW
300	10/17 SW	14/20 SW	17/25 SW	19/29 SW	17/26 SW	17/27 SW	16/26 SW
Valley	6/17 SW	10/20 SW	13/24 SW	15/29 SW	11/25 SW	11/25 SW	11/24 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-4	2/-4	4/-2	5/-1	5/-1	4/-2	4/-2
300	4/1	5/0	7/2	8/4	7/3	6/2	6/2
Valley	4/2	6/2	8/5	9/6	8/5	7/4	7/4
Freezing Level*	800m	800m	1000m	1100m	1200m	1200m	1300m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

A significant wind chill as winds strengthen during the morning with some strong gusts on the highest tops in the afternoon. Freezing level above the summits.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Tue 23 Mar 2021	0mm	0mm	0mm

Forecast for Wednesday 24 Mar 2021

Weather: Rain in the early hours will clear through by mid-morning. Then generally a bright and breezy day. Some sunny intervals are likely but also with some patchy cloud. Perhaps some showers developing towards midnight.

Maximum wind: Southwesterly 20mph with gusts 30mph.

Chance of cloud free mountain/hill tops above 600m: 20% overnight, becoming 90% by mid-morning with cloud lifting well above the summits.

Visibility: Very poor overnight with extensive low cloud bases 4-500m. Becoming generally very good visibility by mid-morning with far reaching views. Visibility perhaps dipping to moderate at times towards midnight in any showers, with cloud just reaching the tops.

Temperature: **Valleys:** Plus 5 rising to 10 Celsius.
At 600m: Plus 4 Celsius.
Freezing level: 1400m becoming 800m